

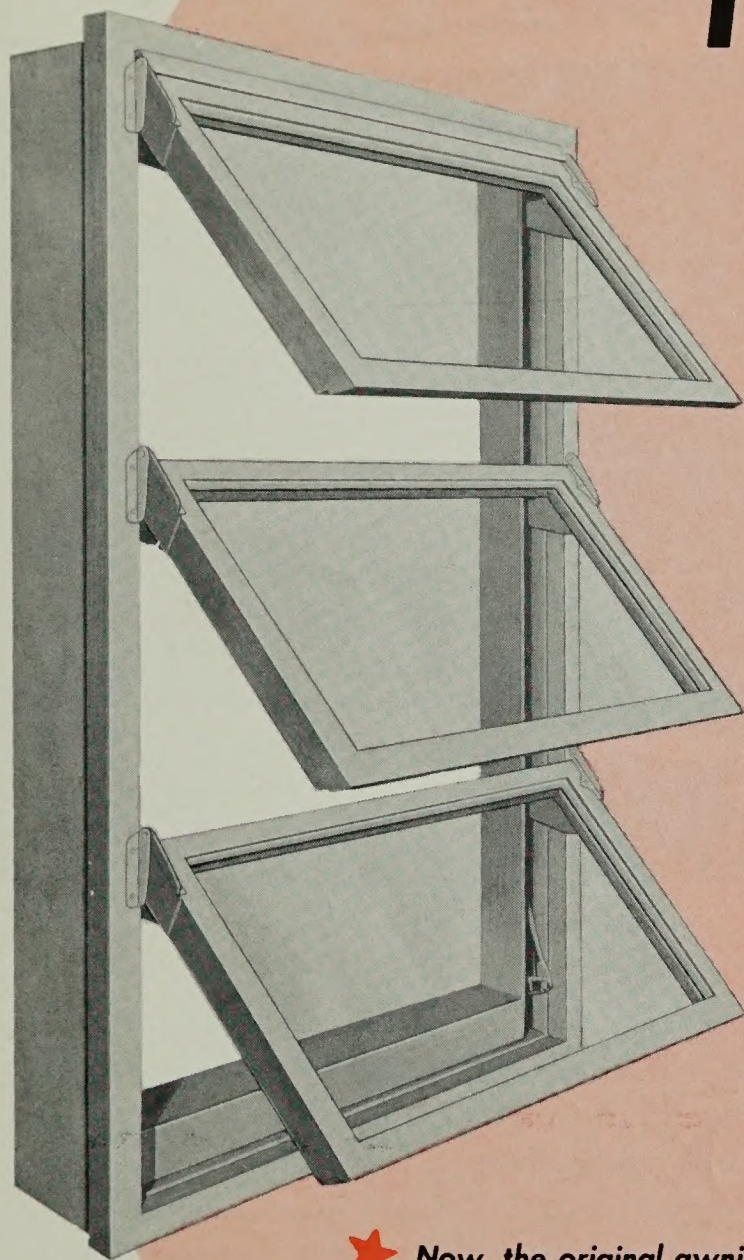


CATALOG No. 106
Gate City AWNING WINDOWS

the **NEW "Type H"**

Gate City

WOOD AWNING WINDOW



★ Now, the original awning window
re-designed around Gate City's patented,
performance-proven hardware . . . new sizes,
new jamb and casing dimensions, new construction.

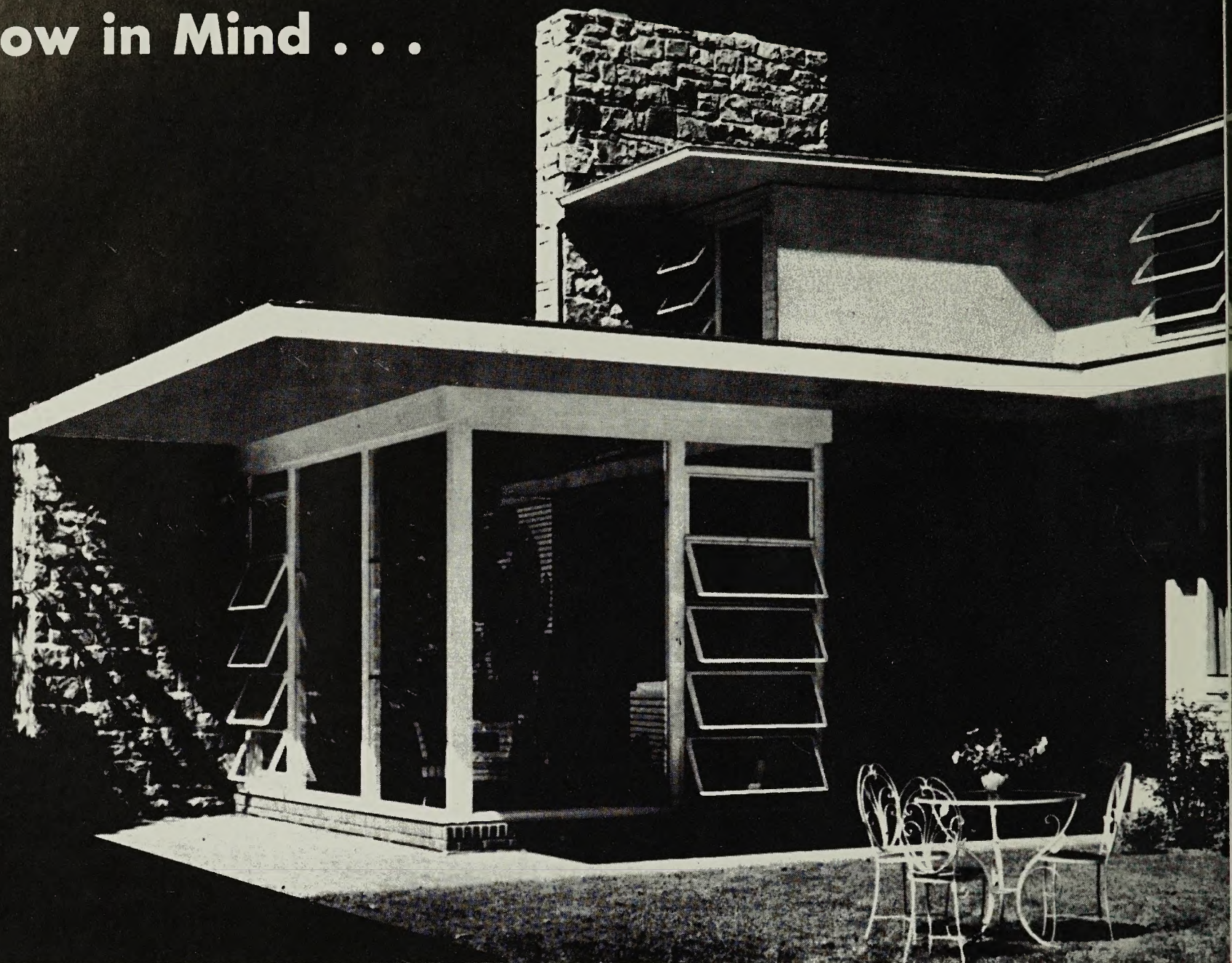
- ★ **ENCLOSED HARDWARE**
- ★ **WOOD GLAZING BEAD**
- ★ **REDWOOD EXPOSED PARTS**
- ★ **REMOVABLE DOUBLE GLAZING**
- ★ **THERMOPANE RABBETING**
- ★ **CARTON PACKAGING**

A.I.A. FILE No. 16-1



GATE CITY SASH & DOOR COMPANY • FORT LAUDERDALE, FLORIDA • "Window Craftsmen for over 40 years"

The Window Designed with Tomorrow in Mind . . .



Gate City has Paced Modern Window Development

Gate City Wood Awning Windows are outstanding in the trend toward simplicity and functional beauty. Their smart design and clean horizontal lines give any structure a distinct, modern appearance. They can be combined in almost limitless combinations to suit particular needs or desires.

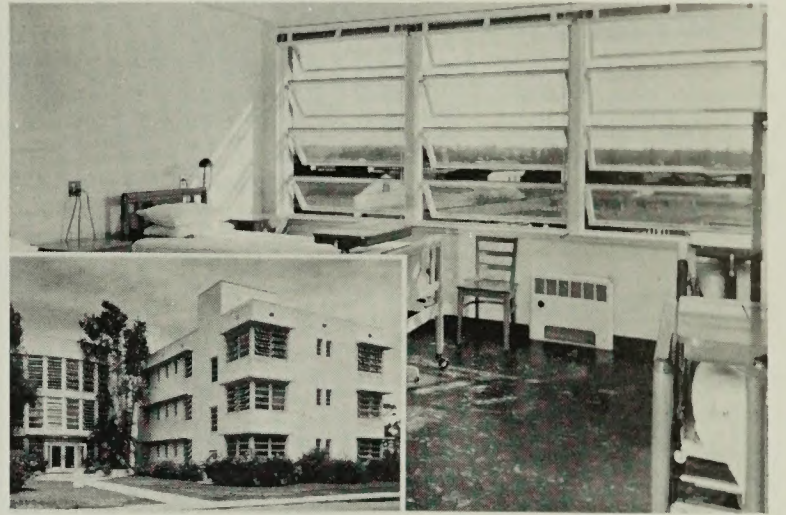
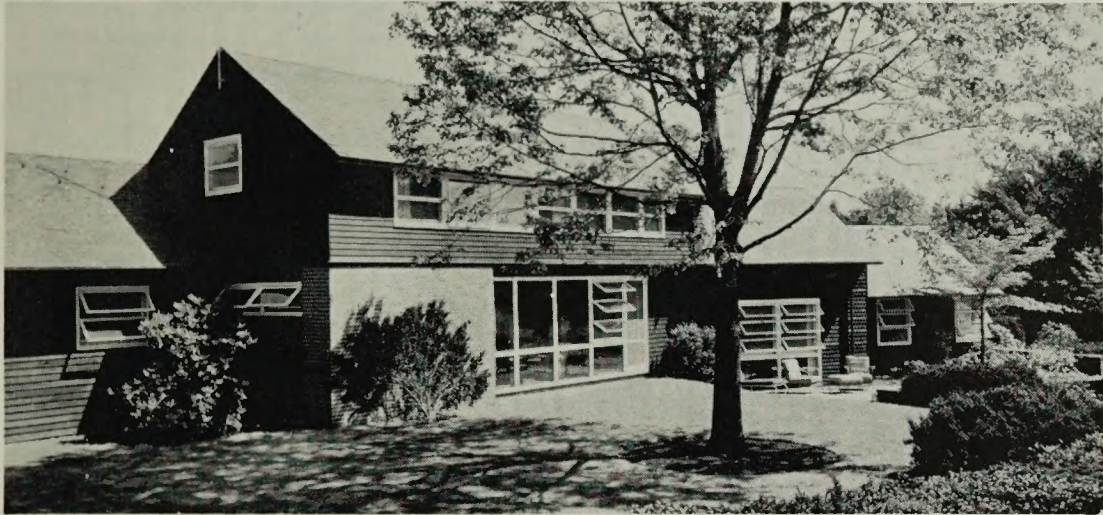
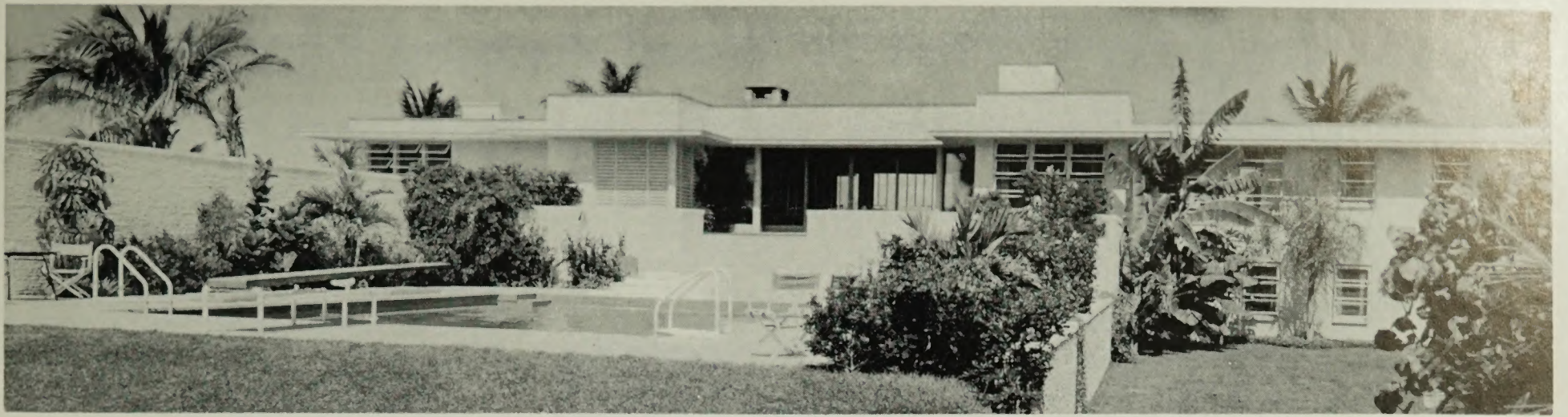
No other window offers *all* the advantages provided by Gate City Wood Awning Windows. The full-vent area permits complete ventilation control and the patented fixed-hinge affords real rain protection with adequate ventilation. Trouble-free operation is assured by its sturdy,

dual-action hardware with easy-to-reach crank located beneath the sill. The superior insulating quality of wood, plus efficient weatherstripping and exceptionally tight closure, means maximum efficiency from heating and air conditioning equipment.

With over forty years' experience as window craftsmen, Gate City has pioneered the development of the awning type window. Now recognized as the standard of the industry, Gate City Wood Awning Windows have been performance-proven for more than a decade in all types of structures, under every climatic condition.

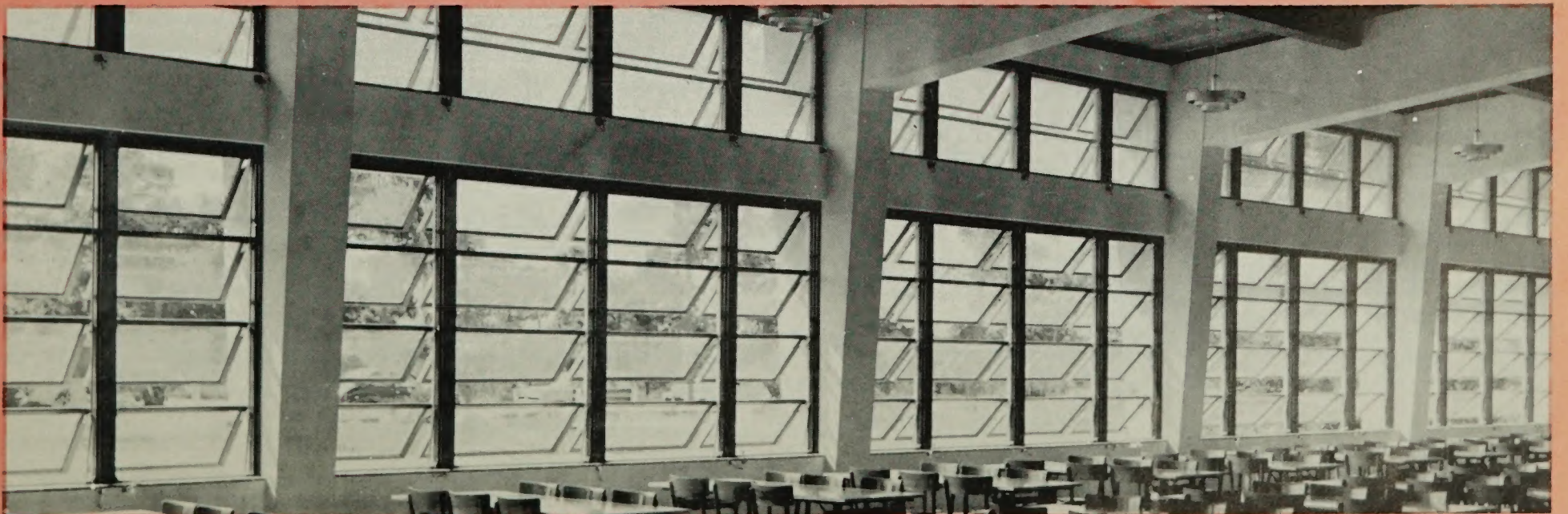
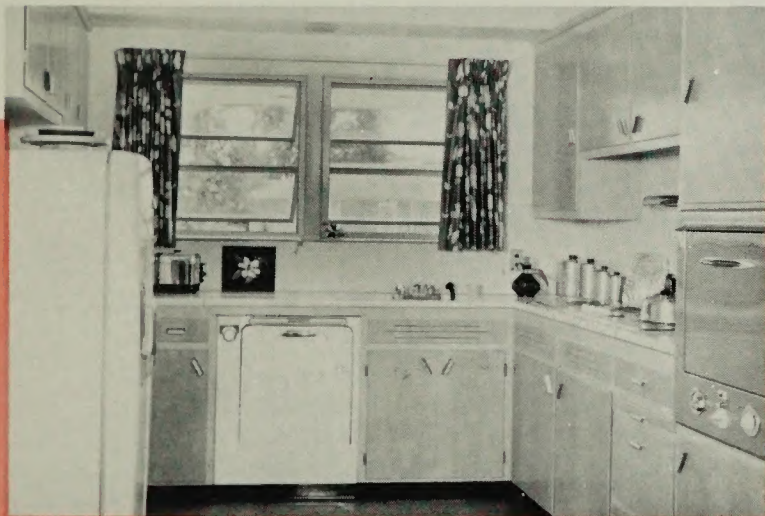
and Now, the New "Type H" Unit offers Additional Beauty and Installation Facility!

Gate City's new "Type H" Wood Awning Window is even more attractive, with enclosed hardware and wood glazing beads. It is even more adaptable to all types of construction, with new jamb and casing dimensions, sizes, and tongued extension jambs. See Page 4 for complete description of these and other worthwhile new features.



For maximum summer comfort, Gate City Awning Windows open wide to admit every breeze and provide 100% ventilation control, rain or shine.

For maximum cold weather protection, Gate City combines efficient weatherstripping, tight positive closure and the extra insulation of wood sash.



Gate City's New "Type H" Wood Awning Window

contains Important **asked-for features!*

WOOD GLAZING BEAD

Glass is bedded in putty with wood bead exterior glazing. Completely eliminates all putty problems.

REMOVABLE DOUBLE GLAZING

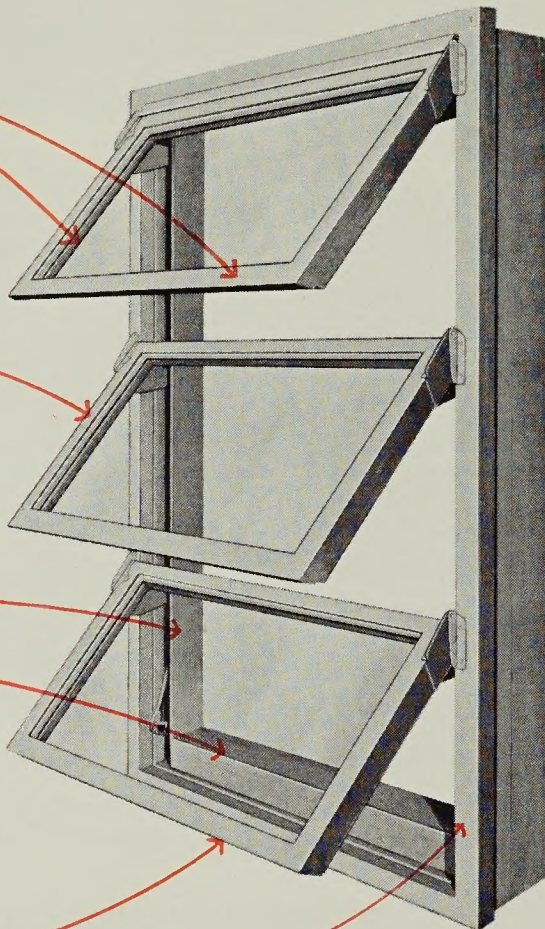
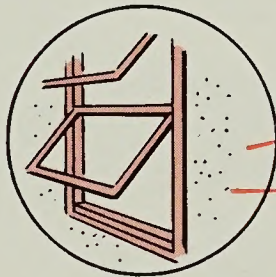
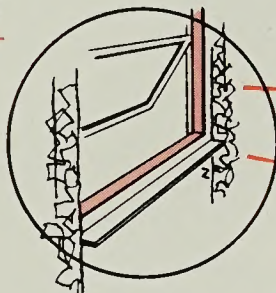
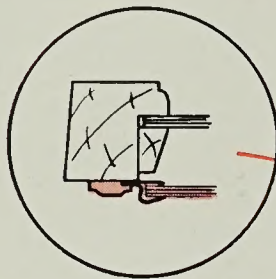
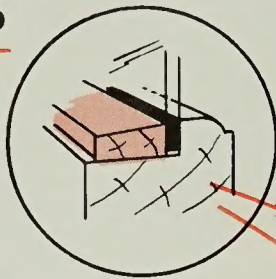
Aluminum framed individual storm sash easily applied to each vent. Provides efficient double glazing when desired.

ENCLOSED HARDWARE

Redwood covers enclose hardware in jambs and sill. Offers proven advantages of Gate City's sturdy dual-action hardware PLUS beauty.

REDWOOD EXTERIOR

Sash, Casings, Hardware Covers, Extension Jambs, and Drip Mould are made of Redwood for superior durability and workability. Matched heart Redwood available at slight extra cost when specified.



EXTENSION JAMBS FURNISHED

Tongued extension jambs are furnished with stock, cartoned units. These extension jambs ($\frac{3}{4}$ " x $1\frac{3}{8}$ ") are for frame construction — either dry wall or plastered interiors can be accommodated by ripping the tongue to provide the desired width.

WIDER JAMB AND CASING Thinner, wider casing and 4-inch jamb — plus extension jamb — make this window most suitable for any and all types of construction.

NEW SIZES New, more popular sizes (see size schedule page 4), including those for modular construction, are available for immediate shipment.

THERMOPANE RABBETING Standard sash rabbeting will take Thermopane glass, which can be easily installed with wood glass mold.

ALL-METAL WEATHERSTRIPPING

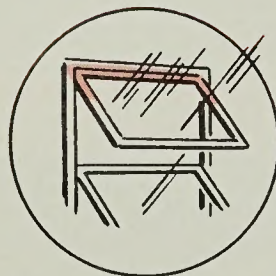
Specially designed Spring Bronze weatherstripping is plowed-in at jambs, sill and meeting rails. Provides the tightest possible seal all around.

CARTON PACKAGING All stock units are carton packed, 2 per carton. Carton includes screens, extension jambs, cranks and escutcheons. Windows are completely assembled and glazed.

... in addition to these popular, performance-proven advantages

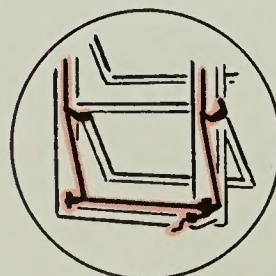
"NO-SPLASH" RAIN PROTECTION

Gate City's patented fixed-hinge operation prevents back splash over top vent while slanted sash deflect rain.



TROUBLE-FREE OPERATION

Dual-action hardware exerts equal pressure at both sides of sash — pulling them in evenly and tight all around. Prevents torsion and sash sag — insures smooth operation and horizontal alignment of open sash.



EASY TO OPERATE

A few effortless turns of the easy-to-reach operating crank adjusts all sash simultaneously. Crank is conveniently located below sill where it does not interfere with blinds or drapes.

INSIDE SCREEN

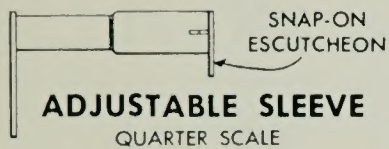
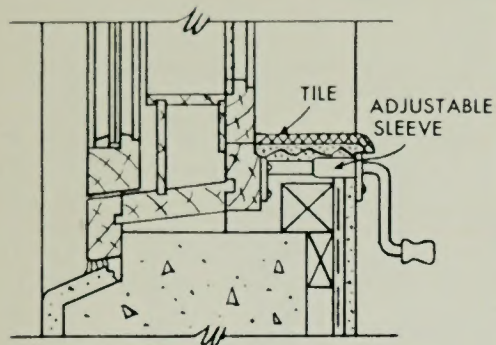
Redwood framed screen, wired with Fiberglas fits neatly on the inside of window — is easily interchangeable with conventional storm sash.

EXTRA INSULATION OF WOOD

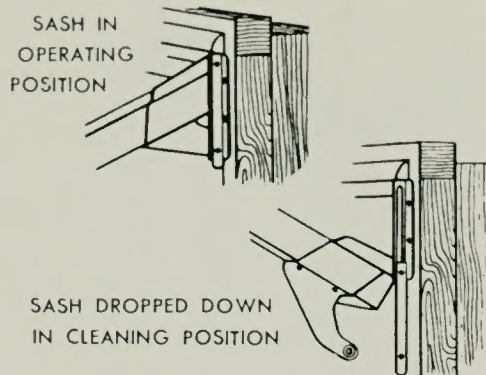
The insulating quality of wood is far superior to that of any other window frame material — reduces heat loss and condensation. (Wood is actually the only framing material that fully justifies the extra cost of insulated glass.)

**The development of the new "Type H" unit was based on day-to-day suggestions from architects, builders and home owners; and concluded by extensive study and research.*

"You can specify Gate City with Confidence!"

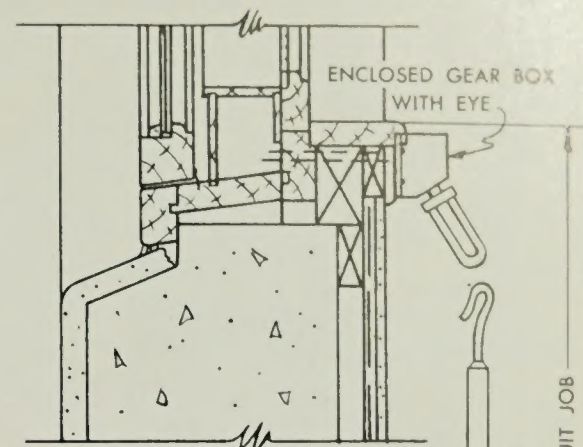


The ADJUSTABLE EXTENSION SLEEVE (with snap-on escutcheon) should be specified in all cases where tile or masonry stools are to be used.



MAINTENANCE HINGE

The MAINTENANCE HINGE, available at slight extra cost, permits top sash to drop down for easier cleaning, yet operates on the same fixed principal as the regular hinge.

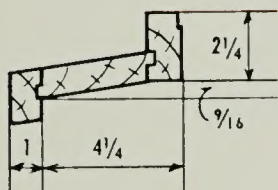
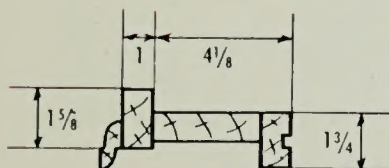


CLERESTORY GEAR BOX and EXTENSION CRANK for high windows

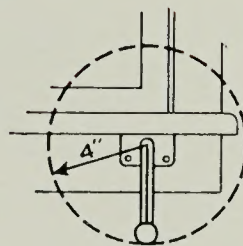
With windows located above normal reach, one CLERESTORY GEAR BOX is necessary for each unit; only one EXTENSION CRANK is usually needed per room.

VARIES TO SUIT JOB

JAMB WIDTH DIMENSIONS



CRANK SWING DIMENSIONS



SPECIFICATIONS FOR A STANDARD TYPE "H" GATE CITY WOOD AWNING WINDOW UNIT

WINDOW—

ALL UNITS shall have exterior casing, sash, screen, extension jambs, hardware covers and interior casing made of redwood, unmatched for color. Unexpased, structural members shall be of any suitable wood. All wood parts shall be deep Toxic-Treated for resistance to rot, fungi and termites; certified to be in accordance with or exceeding minimum requirements of A.W.W.I. and N.W.M.A.

STOOL and APRON when specified, shall be of any wood* suitable for paint, furnished in cut lengths KD.

SASH shall be 1 3/4" nominal thick; glazed SSB. All bedded in putty and glazed with wood glazing beads.

SCREENS shall be 3/4" in thickness of redwood semi-prefit, and wired with Fiberglas.

WEATHERSTRIPPING: All units shall have Spring Bronze Weatherstripping installed at head and side jambs, sill and meeting rails. The completely factory weatherstripped window will exceed minimum air infiltration requirements of Commercial Standards.

ALL UNITS shall be factory assembled with glazed sash, hardware and complete weatherstripping installed.

NO WOOD BUCKS or trim shall be included unless specifically ordered; with the exception of extension jambs which are included in standard packaged units.

*Manufacturer's Option

HARDWARE—

ALL VENTS shall be hinged at the top to swing out; having combination hinge and sash arms installed in the side at top. The vents shall be connected to each other from top to bottom by means of links attached to the sash arms on both sides of window. The bottom links shall be attached to the lifting arms of the operator shaft located at the sill on each side of the opening.

THE OPERATOR shall consist of a completely enclosed worm and gear mounted on either jamb (right hand mounting is standard) with a horizontal shaft attached, extending the width of the opening and seated in a bearing on the jamb opposite the worm and gear, and having two lifting arms attached; one at each end of the shaft. The operating crank shall have a hexagon shaft that fits into a hexagon socket in the worm.

COMBINATION HINGE and SASH ARMS shall be made of die cast aluminum with stainless steel pins.

VERTICAL LINKS shall be aluminum. Link pins shall be grooved to receive spring clips for connecting vertical links to sash arms and to the lifting arms of the operating shaft.

OPERATOR SHAFT, LIFTING ARMS, and GEAR HOUSING shall be aluminum. The completely enclosed WORM and GEAR shall be made of a hard alloyed steel.

CRANK and ESCUTCHEON shall be aluminum, with crank handle of nylon.

Specifications and details are subject to change without notice.

Specifications and details may vary slightly in areas serviced by licensed manufacturers to conform with requirements in those areas.

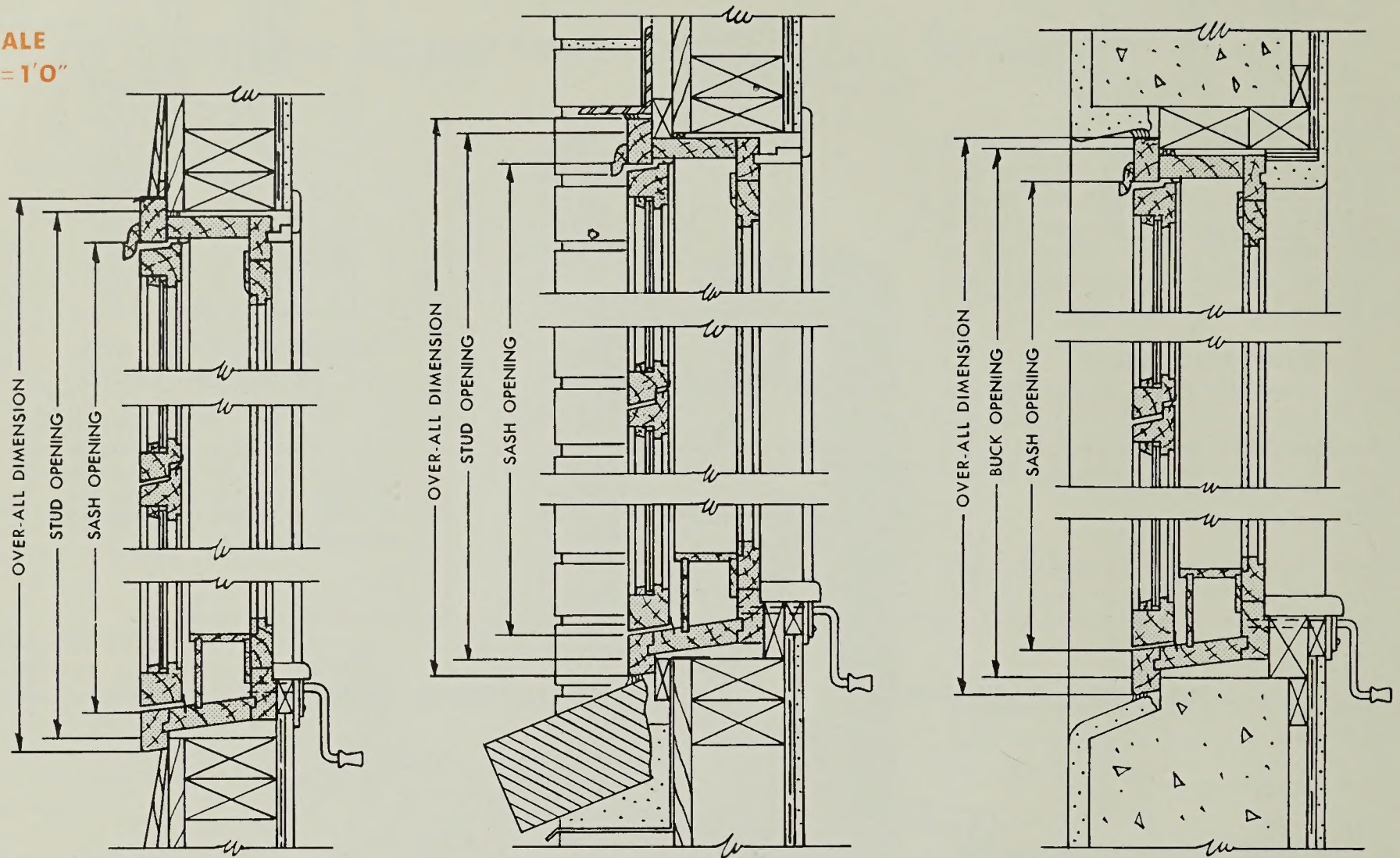


INSTALLATION DETAILS — Standard Operating Unit

Our engineering department will welcome any opportunity to assist you with difficult window problems and details for special conditions. Full scale window details are available on request.

SCALE
1½" = 1'0"

Vertical Sections

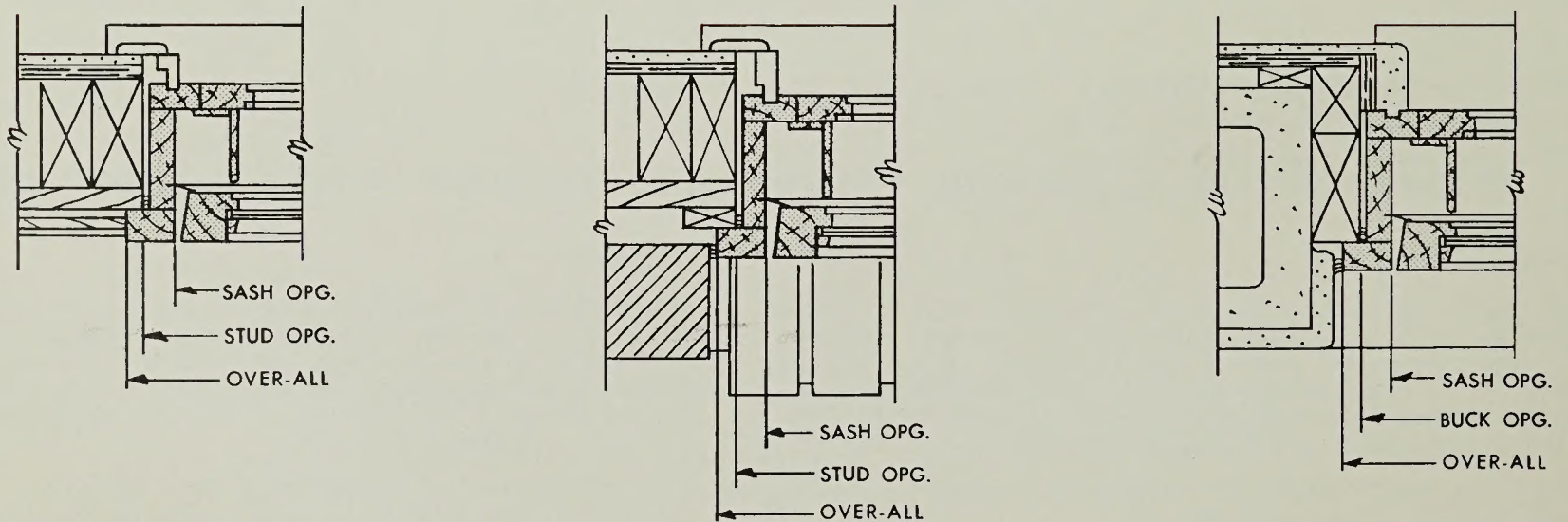


FRAME

BRICK VENEER

8" BLOCK

Jamb Sections



Mullion Sections

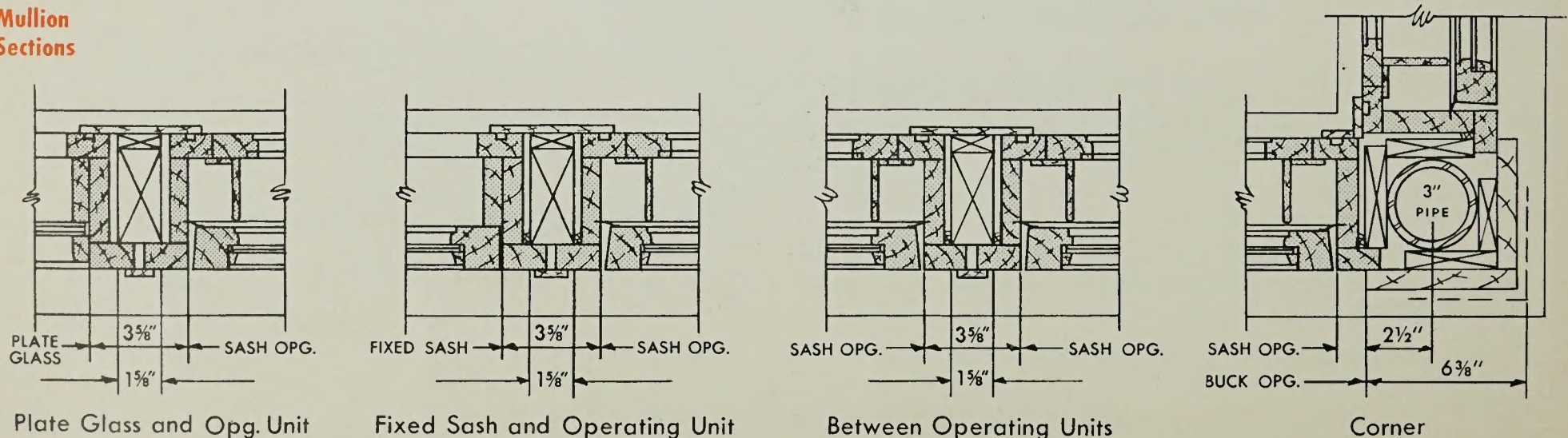


Plate Glass and Opg. Unit

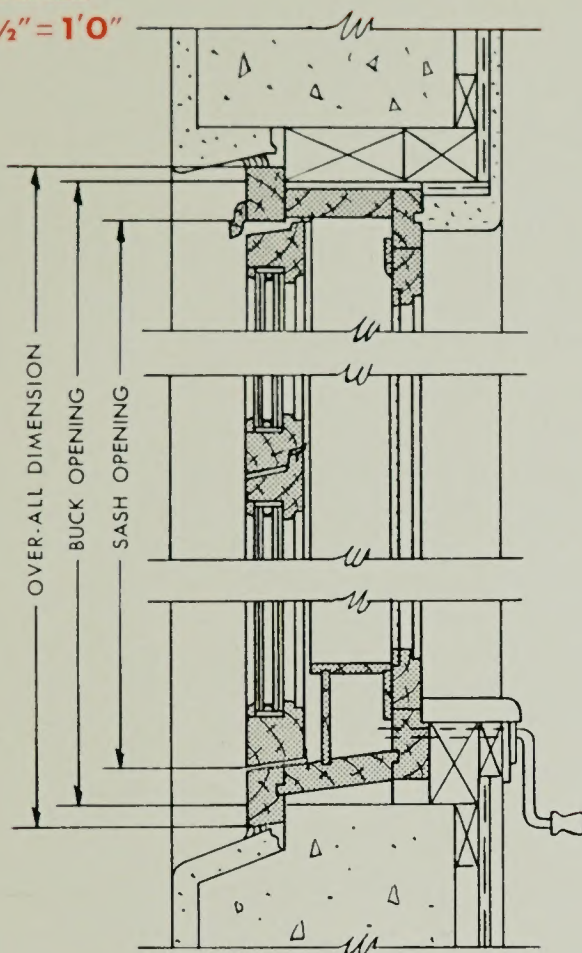
Fixed Sash and Operating Unit

Between Operating Units

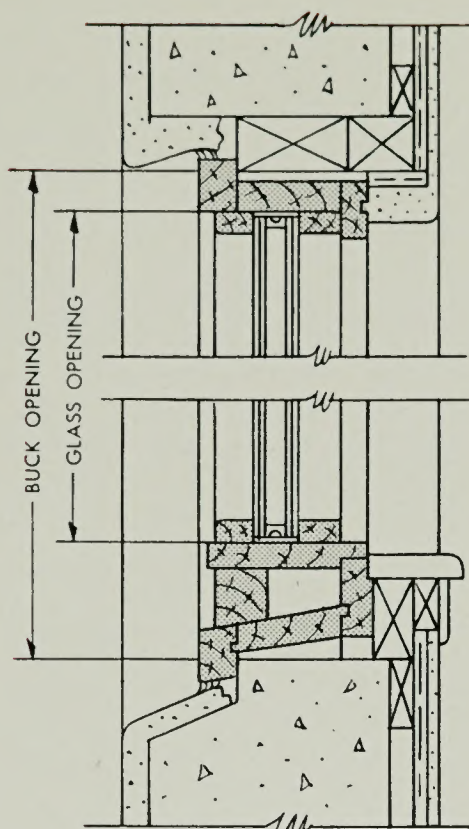
Corner

INSTALLATION DETAILS — Other than Standard Operating Unit

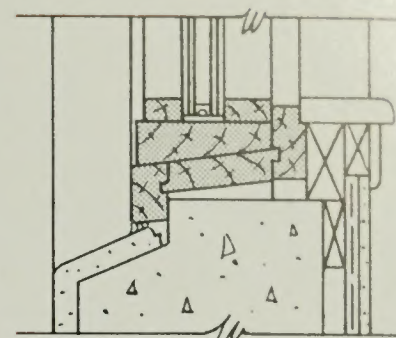
SCALE
1 1/2" = 1'0"



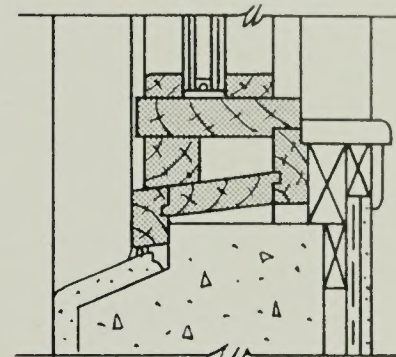
OPERATING UNIT with THERMOPANE



PICTURE WINDOW
with THERMOPANE
to match height of
3-vent operating units
having 16" glass.



PICTURE WINDOW with THERMOPANE
to match height of
4-vent operating units
having 16" glass.



PICTURE WINDOW
with THERMOPANE
to match height of
3-vent operating units
having 14" or 18" glass.

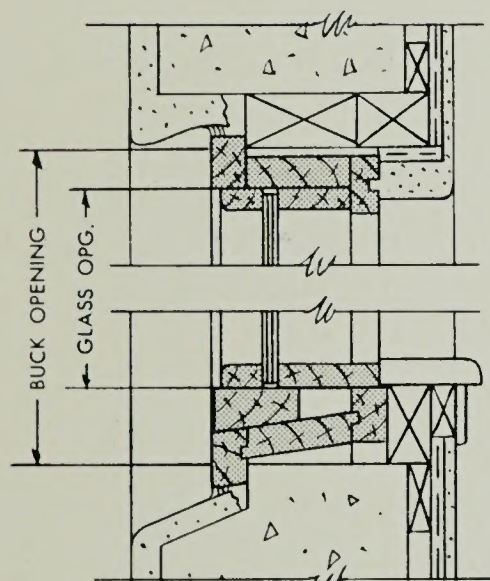
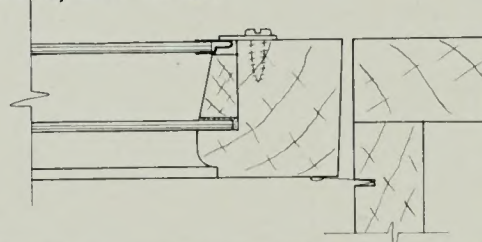


PLATE GLASS OPENING

REMOVABLE DOUBLE GLAZING

Aluminum framed individual storm sash are available for easy application to each vent. This modern winterizing method provides efficient double glazing, and may be left on sash year 'round if desired.

Frame sections are of 1/2" channel type aluminum edging made to slip tightly over edge of glass, held in place by turn buttons.



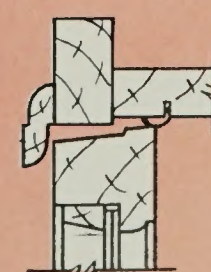
FOR PICTURE WINDOWS, insulated glass can be ordered in special sizes; however, for maximum economy it is advisable to utilize standard Thermopane sizes shown below.

BUCK OPENING AND GLASS SIZES FOR PICTURE WINDOWS

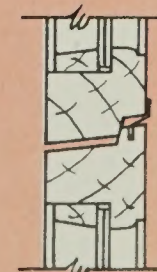
FLANKING WINDOW SIZES		STANDARD GLASS SIZES				PICTURE WINDOW BUCK OPENING SIZES			
3 - VENT	14	72 1/2"	WIDE	X	46"	HIGH	75 1/4"	WIDE	X 51 1/2" HIGH
3 - "	14	64 1/2"	"	"	46"	"	67 1/8"	"	51 1/2" "
3 - "	14	48 1/2"	"	"	46"	"	51 1/8"	"	51 1/2" "
3 - VENT	16	70 1/8"	WIDE	X	52 1/2"	HIGH	72 3/4"	WIDE	X 57 1/2" HIGH
3 - "	16	58 1/8"	"	"	52 1/2"	"	60 3/4"	"	57 1/2" "
3 - "	16	46 1/8"	"	"	52 1/2"	"	48 3/4"	"	57 1/2" "
3 - VENT	18	116 1/2"	WIDE	X	58"	HIGH	119 1/4"	WIDE	X 63 1/2" HIGH
3 - "	18	96 1/2"	"	"	58"	"	99 1/8"	"	63 1/2" "
3 - "	18	80 1/2"	"	"	58"	"	83 1/8"	"	63 1/2" "
3 - "	18	72 1/2"	"	"	58"	"	75 1/8"	"	63 1/2" "
3 - "	18	64 1/2"	"	"	58"	"	67 1/8"	"	63 1/2" "
4 - VENT	16	60"	WIDE	X	72"	HIGH	62 3/4"	WIDE	X 75 3/4" HIGH
4 - "	16	48"	"	"	72"	"	50 3/4"	"	75 3/4" "
4 - "	16	42"	"	"	72"	"	44 3/4"	"	75 3/4" "

Glass Opening must be 1/2" wider and higher than above Insulated glass sizes.

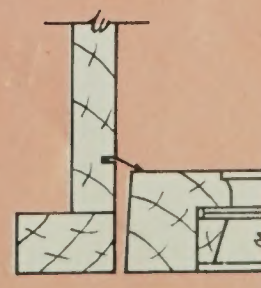
WEATHERSTRIPPING



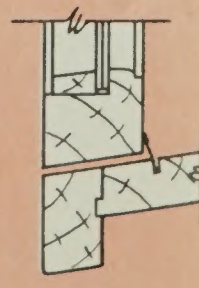
HEAD JAMB



MEETING RAIL



SIDE JAMB



SILL

Quarter
Scale

FOR AWNING WINDOW UNITS, standard Thermopane sizes are available for all Gate City Stock Window Units.

COMPLETE SCHEDULE OF SIZES

★ **STOCK SIZES** are indicated by stars. These 13 stock sizes are packaged in standard cartons of 2 units each. Carton contains completely assembled glazed windows, screens, extension jambs, cranks and escutcheons. All stock sizes are available for immediate shipment.

NON-STOCK SIZES (those without stars) are available on approximately 30-day delivery.

For multiple openings add window buck opening plus 1 5/8" for each mullion.

Fixed Sash Units are available in the same sizes as operating units. Buck opening and over-all dimensions are identical, and basic construction the same as operating units without hardware or screens. 18-inch width fixed sash are recommended for use as sidelight installations.

Top vent is fixed in openings that are 5 vents high in 40" and 42" units.

The 18", 30", and 42" units are modular widths (24 1/8", 36 1/8", and 48" over-all).

The 40" units fits without blocking into Lu-Re-Co panel construction. The 40 x 24 unit is especially adaptable to ribbon installations.

Thermopane fits all sash without special rabbeting by use of applied glass mold. Standard size Thermopane is available for all stock sizes.

Standard Extension Jambs included in standard cartons are 3/4" x 1 3/8". Wider sizes are available on special order.

Sash, Casings, Hardware Covers, Extension Jambs and Drip Mould are made of Redwood, the balance of the frame to be any suitable wood our option.

Specifications and details may vary slightly in areas serviced by licensed manufacturers.

Schedule size numbers indicate in order: Number of vents, Exact width of glass, and Exact height of glass.

NOTE: For **NET JAMB DIMENSIONS** deduct 3/8" in width and 1/8" in height from buck opening sizes shown here.

2'- 0 1/8"	3'- 0 1/8"	3'-10 1/8"	4'- 0 1/8"	OVER-ALL DIMENSION BUCK (OR STUD) OPENING	
1'-10 7/8"	2'-10 7/8"	3'- 8 7/8"	3'-10 7/8"	1'- 6 3/4"	1'- 8"
				1'- 8 3/4"	1'-10"
1-18-14	1-30-14	1-40-14	1-42-14	1'-10 3/4"	2'- 0"
★1-18-16	★1-30-16	★1-40-16	1-42-16		
1-18-18	1-30-18	1-40-18	1-42-18		
				2'-11 1/8"	3'- 0 1/8"
2-18-14	2-30-14	2-40-14	2-42-14	3'- 3 1/8"	3'- 4 3/8"
★2-18-16	★2-30-16	★2-40-16	2-42-16	3'- 7 1/8"	3'- 8 3/8"
2-18-18	2-30-18	2-40-18	2-42-18		
				4'- 3 1/2"	4'- 4 3/4"
3-18-14	3-30-14	3-40-14	3-42-14	4'- 9 1/2"	4'-10 3/4"
★3-18-16	★3-30-16	★3-40-16	3-42-16	5'- 3 1/2"	5'- 4 3/4"
3-18-18	3-30-18	3-40-18	3-42-18		
				5'- 7 7/8"	5'- 9 1/8"
4-18-14	4-30-14	4-40-14	4-42-14	6'- 3 7/8"	6'- 5 1/8"
★4-18-16	★4-30-16	★4-40-16	4-42-16	6'-11 7/8"	7'- 1 1/8"
4-18-18	4-30-18	4-40-18	4-42-18		
				7'- 0 1/4"	7'- 1 1/2"
5-18-14	5-30-14	5-40-14	5-42-14	7'-10 1/4"	7'-11 1/2"
5-18-16	5-30-16	5-40-16	5-42-16	8'- 8 1/4"	8'- 9 1/2"
5-18-18	5-30-18	5-40-18	5-42-18		
				2'-4 3/4"	2'-6"
		★1-40-24			